

Top 3 Trusted 22 mm Push Button Switch Manufacturers and Their Popular Models

22 mm push button switches are among the most widely used control components in industrial automation, machinery, control panels, and electrical systems. Their reliable performance, durability, and ease of operation make them an essential choice for ensuring safe and efficient equipment control. Whether it's starting or stopping a machine, triggering an emergency function, or managing automated processes, these switches play a critical role in maintaining operational efficiency and workplace safety.

Designed to withstand demanding industrial environments, high-quality **22mm push button** switches offer excellent mechanical strength, long service life, and dependable performance under continuous use. Choosing a trusted manufacturer not only ensures superior product quality but also reduces maintenance costs, minimizes downtime, and enhances overall system reliability. In this guide, we explore the top [22mm push button switch](#) manufacturers and their most popular models, helping engineers, panel builders, and procurement professionals identify the best solutions for their specific applications.

What Are 22 mm Push Button Switches?

22 mm push button switches are electromechanical control devices designed to operate electrical circuits through a simple press action. The "22 mm" measurement refers to the standard mounting hole diameter, making these switches compatible with a wide range of industrial control panels and machinery. They are commonly used for start, stop, reset, emergency stop, and signalling functions in automation systems. Known for their durability, reliability, and user-friendly design, 22 mm push button switches provide precise control and dependable performance in demanding environments. Their versatility and robust construction make them a trusted choice across numerous industrial and commercial applications.

Common applications include:

- **Industrial Control Panels:** Used to operate and control heavy machinery, conveyor systems, electric motors, and robotic equipment in manufacturing and processing facilities.
- **Emergency Stops:** Mushroom-head emergency stop (E-stop) push buttons enable operators to instantly cut power to equipment during emergencies, helping prevent accidents and equipment damage.
- **Automation Systems:** Commonly utilized for process control, machine operation, and selecting operating modes such as Hand-Off-Auto (HOA) in automated environments.

- **Commercial Devices & Appliances:** Integrated into commercial automation equipment and compact appliances that require accurate, responsive, and user-friendly control functions.
- **Indicator & Signaling:** Illuminated push buttons and pilot light variants provide clear visual feedback on machine status, operational conditions, and system alerts, improving operator awareness.

Their standardized size ensures compatibility across different control panel designs and industries.

Top 22 mm Push Button Switch Manufacturers

Schneider Electric

Schneider Electric is globally recognized for manufacturing premium control and signaling devices known for durability, safety, and ergonomic design. Its Harmony series is widely adopted in industrial automation, OEM machinery, and process industries.

Popular Models

Harmony XB4

- Metal bezel construction for rugged industrial environments
- Available in flush, projecting, and illuminated variants
- Supports multiple contact configurations
- Excellent mechanical durability

Harmony XB5

- High-quality plastic bezel design
- Lightweight yet robust construction
- Suitable for automation and control panels
- Wide range of actuator colors and functions

Easy Harmony XB2

- Cost-effective solution for general industrial applications
- Reliable electrical performance
- Available in maintained and momentary operation

Best Product:



Key Specifications: [Schneider Electric Harmony XB5N Push Button 22 mm, Green, 1 NO, Flush Type, Spring Return | XB5AA31N](#)

Model: Harmony - Schneider Electric

Colour: Green

Type: Flush Type

Auxiliary Contact: 1 NO

Diameter: 22 mm.



Key Specifications: [Schneider Electric Easy Harmony XB2 Push Button 22 mm, Black, Metal, 1 NO, Flush Type, Spring Return | XB2BA21C](#)

Model: Easy Harmony - Schneider Electric

Colour: Black

Type: Spring Return

Auxiliary Contact: 1 NO

Diameter: 22 mm

Siemens

Siemens offers precision-engineered push button devices that combine reliability, safety, and modern aesthetics. Their products are commonly used in industrial manufacturing, infrastructure, and machine-building sectors.

Popular Models

Siemens 3SB5 Series

- Proven design for industrial control applications
- Robust mechanical construction
- Available with multiple contact arrangements
- Suitable for demanding operating conditions

Siemens 3SU1 Series

- Modern modular platform
- Enhanced installation flexibility
- High visibility indication options
- Compact and ergonomic design

Best Product:



Key Specifications: [Siemens Sirius ACT 3SU1 Push Button 22 mm, Black, Flat, Momentary Contact Type](#) | [3SU10000AB100AA0](#)

Model: 3SU - Siemens

Colour: Black

Type: Momentary

Diameter: 22 mm



Key Specifications: [Siemens Sirius ACT 3SB5 Opaque Push Button Actuator 22 mm, Red, Normal Type, With Holder| 3SB5000-0AC01](#)

Model: 3SB - Siemens

Colour: Red

Type: Normal Type

Diameter: 22 mm

ABB

ABB is a trusted name in industrial electrification and automation products. Its control devices are known for reliability, precision engineering, and compliance with international standards.

Popular Models

ABB Compact Push Buttons

- Suitable for machine control applications
- Compact and efficient design
- Easy integration into control panels

Best Product:



Key Specifications: ABB MPET4-10R Modular Emergency Stop mushroom Push Button 22 mm, Red, Twist Release | 1SFA611523R1001

Model: ABB

Colour: Red

Type: Rotate Type

Diameter: 22 mm

Things to Consider Before Buying a 22 mm Push Button Switch

Selecting the right 22 mm push button switch requires careful evaluation of the application, operating environment, and control requirements. Before making a purchase, consider the following factors:

- **Application Requirements:** Determine whether the application requires momentary, maintained, illuminated, or emergency stop functionality.
- **Contact Configuration:** Choose the appropriate NO/NC contact arrangement based on the control circuit design.
- **Voltage Compatibility:** Verify that the switch matches the operating voltage of the system.
- **Environmental Conditions:** Consider factors such as dust, moisture, vibration, and operating temperature to ensure long-term reliability.
- **Visibility and Operator Safety:** In control panels where status indication is important, a **22mm illuminated push button** can improve visibility and enhance operator awareness.

- **Technical Documentation:** Always review the manufacturer's [22mm push button datasheet](#) to verify electrical ratings, mechanical endurance, certifications, and installation requirements.
- **Value and Support:** Compare product quality, warranty coverage, and [22mm push button price](#) across authorized suppliers to ensure long-term value and dependable support.

Conclusion

22 mm push button switches remain one of the most important control components in industrial automation and electrical systems. Whether used for machine operation, process control, or emergency shutdown functions, choosing products from trusted manufacturers such as Schneider Electric, Siemens, and ABB ensures reliable performance, enhanced operator safety, and long-term operational efficiency.

By selecting the appropriate switch type, contact configuration, and electrical rating, businesses can reduce downtime, improve productivity, and maintain dependable control system performance. Investing in high-quality push button switches is not just a component purchase it is an investment in safety, reliability, and long-term operational success.

FAQs

1. Why are 22 mm push button switches widely used in industrial control panels?

22 mm push button switches offer a standardized mounting size, reliable operation, and compatibility with a wide range of control and automation systems, making them a preferred choice for industrial applications.

2. What contact configuration should I select?

The contact configuration depends on the control circuit design. Common options include 1 NO, 1 NC, 1 NO + 1 NC, and 2 NO. Always verify the circuit requirements before purchasing.

3. Which brands are considered most reliable for industrial applications?

Leading manufacturers such as Schneider Electric, Siemens, Teknic and ABB are widely trusted for their proven reliability, robust construction, and compliance with international industrial standards.

4. Can I replace an existing push button switch with a different brand?

In most cases, yes. Since 22 mm is a standard mounting size, many switches are interchangeable. However, it is important to verify contact arrangements, mounting depth, and electrical ratings before replacement.

5. Can 22 mm push button switches be used for motor control applications?

Yes, they are commonly used in motor starters, control stations, and automation panels for start, stop, reset, and operational control functions.

6. Are emergency stop push buttons available in the 22 mm size?

Yes, 22 mm emergency stop push buttons are widely available and are designed to provide quick and reliable machine shutdown during emergency situations.